

**To:** Gundersen, Jennifer[Gundersen.Jennifer@epa.gov]  
**From:** Zintek, Lawrence  
**Sent:** Wed 2/19/2014 9:55:04 PM  
**Subject:** RE: samples and stuff

All that I see is the stuff in the PPH from National guard mainly. The MCHM full scan peaks in the stds don't match up with the samples from the tank! Don't see other stuff.

What have you been seeing, give me call.. take cough drop.

Larry

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**From:** Gundersen, Jennifer  
**Sent:** Wednesday, February 19, 2014 1:34 PM  
**To:** Zintek, Lawrence  
**Subject:** samples and stuff

Hi Larry,

I've got no voice right now thanks to a wicked cold. Hopefully this will clarify.

I sent two MCHM related items-

The "Crude MCHM"- which is a mix of all the things on the MSDS from Eastman

The neat "4-methyl-1-cyclohexane methanol" from TCI Chemicals- which the GC folks say is a single component with cis and trans isomers. It is one component of "Crude MCHM"

The other two reference samples were PPH related

- a "Crude PPH" which is a mix of assorted things – see Freedom industries MSDS

- a "neat propylene glycol phenyl ether" which is one component of crude PPH.

The Crude MCHM and Crude PPH were mixed together and put in the tank that spilled into the Elk River, so the two "samples" that you have should contain all of the above- but the question is....is there anything else in the samples besides Crude MCHM and Crude PPH?

I'll go check the COC copy to confirm.

Hope that helps

Jennie